

19990313.qrp v01_n394.qrl.990313

Date: Sat, 13 Mar 1999 19:03:15 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1394

QRP-L Digest 1394

Topics covered in this issue include:

- 1) [35405] NorCal Meeting Report
by Jerry Parker <jparker@fix.net>
- 2) [35406] QRP ARCI "Four Days In May 99" March Update
by "Bob Gobrick" <rgobrick@worldnet.att.net>
- 3) [35407] Re: 15 Meter Sked on Saturday
by Daniel R Case <drcase@iastate.edu>
- 4) [35408] Re: Questions again
by "Mont Pierce, KM6WT" <montp@synacom.com>
- 5) [35409] NC-20 pics up
by Wb4jjj@aol.com
- 6) [35410] Help.
by Richard R Riordan <mrzip@ssnet.com>
- 7) [35411] Thanks to all
by Bradford D Bilbrey <bigdawg74@juno.com>
- 8) [35412] FS: Another Argonaut 515
by "Mike =?ISO-8859-1?Q?N=D8WDM"?= <michaelbstjames@email.msn.com>
- 9) [35413] NC20 VFO freq too high problem sloved
by "Edward A Kwik jr" <eakwikjr@hti.com>
- 10) [35414] Re: Computer Logging Programs
by "chris cieslak" <ccieslak@law.uiuc.edu>
- 11) [35415] C56SW Has good ears!
by w4pj@w4bkx.ampr.org
- 12) [35416] Trade: MFJ-462 Multi-Reader
by "Tim Cook" <timcook@erinet.com>
- 13) [35417] Art of Electronics - a Reminder
by "Rich Dailey, KA8OKH" <ka8okh@som-uky.campuscw.net>
- 14) [35418] re: SCV
by "Rich Dailey, KA8OKH" <ka8okh@som-uky.campuscw.net>
- 15) [35419] Re: NC20 VFO freq too high
by David Fifield <fifield@pacbell.net>
- 16) [35420] Re: REPAIR JOB: NC-20, Part IV not long
by David Fifield <fifield@pacbell.net>
- 17) [35421] Bands are Good Tonight!
by "Steve Yates, AA5TB" <aa5tb@swbell.net>
- 18) [35422] Riley gets another one!!
by N7YA@aol.com
- 19) [35423] Re: info wanted/R.S. freq.counter

by Gary L Surrency <gsurrency@juno.com>
20) [35424] Re: REPAIR JOB: NC-20, Part IV not long
by Gary L Surrency <gsurrency@juno.com>
21) [35425] NC20 repair job; keying mods
by Gary L Surrency <gsurrency@juno.com>
22) [35426] Re: NC20 VFO freq too high
by Gary L Surrency <gsurrency@juno.com>
23) [35427] RE: FOX done??
by aweiss@usd.edu (Ade Weiss W0RSP)
24) [35428] RE: 30m is WILD!!
by aweiss@usd.edu (Ade Weiss W0RSP)
25) [35429] Impromptu QRP Program - AL7FS
by Jim Larsen AL7FS <al7fs@pobox.alaska.net>
26) [35430] RED HOT
by Jay Bromley <w5jay@alltel.net>
27) [35431] Cloud Burner additions
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
28) [35432] FS: Yaesu FT840
by "Ed Pacyna" <pacyna@worldnet.att.net>
29) [35433] Re: REPAIR JOB: NC-20, Part IV not long
by John Bohnert <johnb@elmhurst.edu>
30) [35434] Re: Charging Multiple Gel Cells
by K4AHK@ix.netcom.com
31) [35435] Re: REPAIR JOB: NC-20, Part IV not long
by "Paul R. Valko" <prvalko@oakland.edu>
32) [35436] New email address for KJ5TF
by Jim Hale <sunwatt@go.com>
33) [35437] RE: 30m is WILD!!
by Pete Burbank <plburbank@kih.net>
34) [35438] Power at Dayton for my project on GQRP Club Stand
by Stephen John Farthing <stephen@stevef.demon.co.uk>
35) [35439] Fireball Amps Shipped
by Ken Newman <N2CQ@citnet.com>
36) [35440] Heath Grid Dip Meter
by "Jerry Haigwood" <w5jh@swlink.net>
37) [35441] Re: CW: FCC test, other questions
by Thomas Isgro <kc8dgu@postoffice.worldnet.att.net>
38) [35442] Re: 30m is WILD!!
by Dave Sjolin <sjolin@swbell.net>
39) [35443] Need suggestions for 10/15M Yagi
by Jim Hale <sunwatt@go.com>
40) [35444] PSK31-15m-QRP...
by John R Kirby <n3aaz-qrp@juno.com>
41) [35445] Re: Need suggestions for 10/15M Yagi
by "KARL B. STADDON" <ve6kbs@agt.net>
42) [35446] SST info, NC20 progress
by tom whalen <wb5qyt@eFortress.com>
43) [35447] Re: Need suggestions for 10/15M Yagi

by Stan Goldstein <stan@cruzio.com>
44) [35448] Re: Milliwatts Across the Pond
by Jim Hale <sunwatt@go.com>
45) [35449] \$0.84 Investment nets working NC-20
by wo7t@juno.com
46) [35450] Ramsey vhf kits.
by KU4YP@aol.com
47) [35451] F/S 6 meter All Mode
by GRW <n8ayy@amsat.org>
48) [35452] For Sale: QRP Kit
by k5zty@juno.com

Date: Fri, 12 Mar 1999 15:36:19 -0800
From: Jerry Parker <jparker@fix.net>
To: qrp-l@LeHigh.edu
Subject: [35405] NorCal Meeting Report
Message-ID: <3.0.6.32.19990312153619.0081dc20@fix.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

The NorCal Meeting report for March is up with
pictures on the NorCal Page:

<http://www.fix.net/norcal.html>

Enjoy,,,72,,,Jerry...WA6OWR...K

Date: Fri, 12 Mar 1999 17:43:41 -0600
From: "Bob Gobrick" <rgobrick@worldnet.att.net>
To: "GQRP-L" <gqrp@onelist.com>, "gqrp-l" <gqrp-l@blacksheep.org>, "qrp-l" <qrp-l@lehigh.edu>
Subject: [35406] QRP ARCI "Four Days In May 99" March Update
Message-ID: <000101be6ce2\$289dee00\$94884b0c@w6f0e4>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

QRP-L and GQRP-L Gang,

QRP Hamfest Season in North America is about to come into full swing now that Spring has arrived to our snow laden fields. If you are thinking of attending one of the largest hamfests in the world, the Dayton Hamvention, then now is the time to start thinking about also attending the QRP Amateur Radio Club International "Four Days in May" QRP Symposium to be held on May 13, 14, 15, and 16, 1999 at the Days Inn Dayton South Conference Center.

There have been quite a few updates from our preliminary announcement, which can be found on the QRP ARCI homepage <http://www.qrparci.org/fdim99.html>

1. FDIM QRP Symposium Speakers for Thursday May 13, 1999: In addition to some great talks already on tap, Russ Carpenter, AA7QU of Adventure Radio Society fame will be offering a spell binding talk on "QRP Contesting from the Wilderness" . This might be a good time to bring to Dayton your smallest and lightest portable rig (and sawed off toothbrush) for Wilderness show and tell). Here's the latest line up of FDIM speakers.

- * "Vertical Antenna Design & Analysis" by L.B. Cebik, W4RNL
- * "Constructing QRP Equipment" by Rev. George Dobbs, G3RJV
- * "Design of a DSP-based Coherent CW Xcvr" by George Heron, N2APB
- * "QRP Construction Tools & Tricks" by Dick Pascoe, G0BPS
- * "Mixer Madness" by Clark Fishman, WA2UNN
- * "PIC-based Rainbow SWR Bridge/Tuner" by Joe Everhart, N2CX
- * "When Signals Go Wrong - Distortion Demystified" by Dave Benson, NN1G
- * "QRP Contesting from the Wilderness" by Russ Carpenter, AA7QU.

2. It should be pointed out that the QRP ARCI "Four Days in May" differs from some of the other great QRP forums that are being presented this year (Atlanticon, Pacificon etc.). FDIM is a four day event being offered by the QRP ARCI to coincide with the world renowned Dayton Hamvention. Now I hear that Dayton is not every hams cup of tea. But if you love ham radio, and that includes QRP, then you have got to love Dayton. Dayton has EVERY aspect of ham radio on display: Dxing, Contesting, Satellites (AMSAT), SSTV, ATV, RTTY, Digital (TAPR), Antennas, VHF/UHF etc. etc. The Hamvention has just about EVERY ham vendor in the world exhibiting their wares including just about all of our QRP vendors. And finally Dayton has a ham fleamarket which is a story in itself. Basically Dayton is the Grand Daddy Hamfest in the nation and the QRP ARCI FDIM is the Grand Daddy QRP Symposium.

Now how does FDIM differ? FDIM was originally set up in 1996 to "mimic" the AMSAT and TAPR Symposium format with a full day set aside, unhindered by an ongoing Hamvention, for QRP technical paper presentations. That is why FDIM is on Thursday May 13, 1999, one day before the Hamvention opens. QRP ARCI will provide all attendees a "class room" atmosphere with an evening author

social so that one can really participate in a true QRP Symposium. It is also one of the reasons why QRP ARCI is charging a \$10 attendee registration to help defray costs for the QRP Symposium facilities, QRP Symposium guest prizes, FDIM Author Plaques and the 1999 FDIM QRP Proceedings. QRP ARCI also wants to make sure that the 1500+ QRP ARCI member base is not duly burdened with FDIM costs, especially if they are not able to attend.

3. FDIM Friday and Saturday are also shaping up to be "must attend" events. Friday is the evening of the QRP ARCI Awards Banquet where the prestigious QRP Hall of Fame and the new QRP ARCI Quality Recognition Program awards will be announced. Also I hear that the Banquet prize drawing this year will offer some super surprises. Following the Banquet will be two free hospitality rooms for our QRP Vendors to show their wares - this is truly one-stop-shopping for QRP gear.

FDIM Saturday will also be special this year with free events for all to attend. In addition to QRP Regional Club showing their banners, and the first time QRP ARCI Building Contest (with prizes), this year QRP ARCI will officially sponsor a "QRP Exhibit" show. Bring your favorite toy (maybe a wilderness rig) and we will set you up with a free table display, and maybe an antenna hookup to "show off" your pride and joy. Feel free to bring rigs that your QP buddies may have built and want to show off.

Anyway Four Days of Fun for all. And then there is the Hamvention. QRP ARCI will be sponsoring the Hamvention QRP Forum on Friday - don't miss it. I just hope everyone is able to survive all of this fun.

For additional information for the FDIM Symposium registration, QRP ARCI Award Banquet tickets, Days Inn Dayton South (yes the rooms have been renovated this past winter) rooms and general information please check out the QRP ARCI Website at <http://www.qrparci.org/fdim99.html>

Date: Fri, 12 Mar 1999 18:25:11 -0600
From: Daniel R Case <drcase@iastate.edu>
To: Chris Cartwright <ccart@dns.vidtel.com>
Cc: qrp-1@Lehigh.EDU
Subject: [35407] Re: 15 Meter Sked on Saturday
Message-ID: <3.0.32.19990312182507.006d01d8@pop-1.iastate.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 10:38 AM 3/12/99 -0500, you wrote:

>On Fri, 12 Mar 1999, Daniel R Case wrote:

>

>> both on SSB and CW. We will call CQ on fifteen meters tomorrow on or

>> around 21.305 +/- 10 KHz SSB. Listen for us sometime between 15:45 and
>
>I assume you'll be using KB0JUL ??

Sorry, I should have mentioned that. The call we will be using is WA0KHF.

Thanks,
73,
Dan KB0JUL

Date: Fri, 12 Mar 1999 16:35:24 -0800
From: "Mont Pierce, KM6WT" <montp@synacom.com>
To: jeffj@scott.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [35408] Re: Questions again
Message-ID: <36E9B2CC.1683CAC9@synacom.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

For the fun of it, send them your qrp-l # and see what they do.

73,
km6wt
qrp-l #213

Jeff Johns wrote:

>
> On Thu, 11 Mar 1999 20:42:29 -0700, Bradford D Bilbrey <bigdawg74@juno.com>
wrote:

>
> > but don't know the significance of the FISTS number.

>
> Don't feel lonely..... I don't know either :(

>
> 73 Jeff W4JEF

>
> *----- Jeff Johns W4JEF - AMSAT# 32615 - QRP-L# 1857 -----*
> |jeffj@scott.net w4jef@amsat.org | Reserve Patrol Captain |
> | Satellite: Mir R0MIR-1, AO-27 | Jefferson County Sheriff's Dept|
> |200LX+BayPac+FT50=Portable Packet| QTH Birmingham, AL USA |
> *-----*

Date: Fri, 12 Mar 1999 20:11:29 EST
From: Wb4jjj@aol.com
To: qrp-1@lehigh.edu
Subject: [35409] NC-20 pics up
Message-ID: <c33eb48a.36e9bb41@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Pics of my completed NC-20 are up on my website at:

<http://members.aol.com/wb4jjj/hamradio/>

Just click on Reviews, and NC-20.

I used the K5F0 routine on the case, with spray Krylon sandable primer and Krylon taupe front and rear panels, and Krylon dove gray case. It looks more brown on the 'net than in real life. Baked the case in the oven per K5F0's instructions (not too bad an odor, but do it when the XYL is out like Chuck says). Lettering was "Presto" brand from Staples. They have lots of it with lots of choices. A coat of Krylon Crystal Clear on the front and rear panel (actually several light dusting coats so I wouldn't dissolve the letters) sealed the lettering down.

Have made lots of good contacts with this radio. Had lots of problems with it, too (but I have problems with lots of stuff). All is chronicled on the website. Dave Fifield deserves many kudos for his good-natured followup and support for this rig. I'm sure his Red Hot Radio NC-20 will be one of the top performers in our QRP ranks for years. If you don't have one, get one!

73,

Alan A. Wheeler, WB4JJJ
Fairfax, Virginia

Date: Fri, 12 Mar 1999 20:12:52 -0500
From: Richard R Riordan <mrzip@sssnet.com>
To: qrp-1@Lehigh.EDU
Subject: [35410] Help.
Message-ID: <36E9BB94.1A43@sssnet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi All.

I need a schematic of the PIPPIN Tx as described in Sprat, Autumm Issue # 60. By G3MY. I need info on Coils L1 & L2. Also C1, C2, C3. I have all the values except those. Any info is appreciated. Thank You!

Dick W8RAD.

mrzip@sssnet.com

Date: Fri, 12 Mar 1999 18:33:56 -0700
From: Bradford D Bilbrey <bigdawg74@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [35411] Thanks to all
Message-ID: <19990312.183356.3534.2.bigdawg74@juno.com>

Thank to all on the list. You have been more the generous with your responce. FISTS does look like a nice group to be a part of.

72's
Brad
KE7MU

80 FXWG #1

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 12 Mar 1999 19:40:44 -0600
From: "Mike =?ISO-8859-1?Q?N=D8WDM"?= <michaelbstjames@email.msn.com>
To: "qrp reflector" <qrp-l@Lehigh.EDU>
Subject: [35412] FS: Another Argonaut 515
Message-ID: <003401be6cf3\$a111bea0\$3b3c0b3f@default>

For Sale :Ten Tec Argonaut 515.

This radio is in excellent condition with a very hot receiver. The previous owner dialed back the power output to 1 1.5 watts. It has all the original knobs and lights. Comes with manual but no other accessories.

Price \$ 400.00 plus shipping to lower 48 only

Mike, N WDM Minnesota

Date: Fri, 12 Mar 1999 20:42:58 -0500
From: "Edward A Kwik jr" <eakwikjr@hti.com>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [35413] NC20 VFO freq too high problem sloved
Message-ID: <36E9C2A2.4F7797E7@hti.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Well I got home and recounted turns. I had 35 turns OK but the tap was at nine turns not eight! Sniped L1 out and rewound it. Had the eight year old validate the number of turns this time. I took the front panel off to give me more room. It was a lot easier to clear the holes than I have experienced in the past. I stuck the rewind L1 in but did not solder it in. I powered up. Hit the AFA button. Got 885. Yesssss!. Tweaked the trimmer cap to 999. Goes up to 75. Soldered it in. Put the panel back on. Tweaked the trimmer to 999 again. On to the next section. Thanks for all those who gave me their advice.

Ed Kwik AB8DF

Date: Fri, 12 Mar 1999 19:59:36 -0600
From: "chris cieslak" <ccieslak@law.uiuc.edu>
To: <w6toy@erols.com>, <qrp-1@lehigh.edu>
Subject: [35414] Re: Computer Logging Programs
Message-ID: <004001be6cf5\$264388a0\$e2a79acf@asimov.ais.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

true-- however, performing sorts on dates stored as text rather than as a

numeric value can become a nightmare, especially when you have a lot of records to sort through.

73, chris aa9hd
aa9hd@arrl.net

-----Original Message-----

From: Bruce Muscolino <w6toy@erols.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Friday, March 12, 1999 5:40 PM
Subject: Re: Computer Logging Programs

>Mike,

>

>The easiest way for a logging program to be non y2K compliant is to
>store dates in numeric format. Whether you do calculations on date
>difference or any other quantity, the dates are one of the principal
>record id parts. When you store them as numbers the computer converts
>your date to a number. The number does not appear to be unique.
>However if you store teh date as a text string it is not converted and
>therefore remains in its proper relationship. Yes, it takes more space
>-- maybe a whole 1K in a 65K file. So what -- it always works!

>

>73

>

Date: Fri, 12 Mar 1999 21:51:23 EST
From: w4pj@w4bkkx.ampr.org
To: qrp-l@lehigh.edu
Subject: [35415] C56SW Has good ears!
Message-ID: <56418@w4bkkx.ampr.org>

It took a few calls, but Steve C56SW finally heard my T-T Triton @4Watts thru an elevated fullsize Vertical on 7005 Kc. (wkd up1)
Sez, "ur 4w snds great".

12Mar99 0248Z C56SW 7005.0 / UP1 599/599

I have to give the elevated vertical alot of credit on 40m DXing.
It's on a 20ft push-up pole. I tuned the 2 counterpoise wires as a dipole, somewhat inverted Vee, then attached the coax shield to them, and isolated from earth ground and the pole at the antenna. The vertical 33'4" radiator is attached to the coax center conductor. Of course the coax shield is connected to the station ground in the shack (coax switch, common ground bus, tuner,VSWR Meter,...everything in the HF station is connected to the station ground, but the antenna counterpoise is somewhat isolated outside)

Works alot of DX!

de Scott / W4PJ Ft. Lauderdale, FL 26.08.31 N 80.10.18 W <EL96vd>

QRP-L #1585

Date: Fri, 12 Mar 1999 22:13:37 -0500

From: "Tim Cook" <timcook@erinet.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [35416] Trade: MFJ-462 Multi-Reader

Message-ID: <01ba01be6cff\$7d7da880\$67755acf@timcook.erinet.com>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

I have a MFJ model 462 Multi Reader for trade. It displays CW / ASCII / AMTOR / RTTY / FEC on a 2 line 16 digit LCD. It is very similar to the current model 462B <http://www.mfjenterprises.com/short/mfj462b.html>. Mine is just in a little different case. It is black, with a sloped front with the LCD display. As far as I can tell it has basically the same specifications and features as the current model with the exception of the threshold adjustment. It is in excellent condition with the manual. would trade for qrp equipment (transceiver, wattmeter, etc, vibroplex bug, you name it, make offer.... Oh, it works just fine..

Tim

NZ8J

Date: Sat, 13 Mar 1999 03:09:23 -0500

From: "Rich Dailey, KA8OKH" <ka8okh@som-uky.campuscw.net>

To: qrp-l@lehigh.edu

Subject: [35417] Art of Electronics - a Reminder

Message-ID: <3.0.16.19990313030829.20c713a0@som-uky.campuscw.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Just a reminder on an earlier post. The Horowitz/Hill book is 50% off at Techamerica. An excellent treatise on electronics, highly recommended. Can never have too many books.

www.techamerica.com

tu de Rich

Rich Dailey, KA8OKH <ka8okh@som-uky.campuscw.net>
The KA8OKH / KB4NPI Web - <http://www.qsl.net/ka8okh>

Date: Sat, 13 Mar 1999 03:09:21 -0500
From: "Rich Dailey, KA8OKH" <ka8okh@som-uky.campuscw.net>
To: cebik@utkux.utcc.utk.edu
Cc: qrp-1@lehigh.edu
Subject: [35418] re: SCV
Message-ID: <3.0.16.19990313025720.12afdea6@som-uky.campuscw.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

This is a great series in NCJ. Thanks for your efforts!

Rich

Rich Dailey, KA8OKH <ka8okh@som-uky.campuscw.net>
The KA8OKH / KB4NPI Web - <http://www.qsl.net/ka8okh>

Date: Fri, 12 Mar 1999 20:12:11 -0800
From: David Fifield <fifield@pacbell.net>
To: eakwikjr@hti.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [35419] Re: NC20 VFO freq too high
Message-ID: <36E9E59B.17209C0E@pacbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Ed,

You may have miscounted, you may not....it doesn't really matter.
All that matters is that when you re-wind L1, you wind one more
turn on it than you had before! I suggest you carefully count the
turns OFF L1 as you unwind it, then add one when you rewind (with
new wire). Try to keep the spacing even and the windings snug onto
the toroid core (not loose with a gap on the outside).

Just a couple of other people have had this problem so far - none

of them has yet come back and admitted they had one too few turns before though!...

Good luck! 72, Dave Fifield, AD6A

Edward A Kwik jr wrote:

>
> I am trucking along with my NC20. I am up to section 11, setting the
> vfo frequency. The AFA is real cool. At first power up I got *59*. TC1
> was fully meshed so when I tweaked it the frequency only got higher.
> Rats need to fiddle with L1. I squeezed the turns on L1 the best I
> could but could only get it down to *07* or so. I counted the turns on
> L1 about 10 times before I installed it. Did I mess up or have others
> had to add a turn to L1 to get the vfo at *999*? At the end of section
> 5 I measured 0.61 vdc at 5.189 Mhz. I will double check everything
> tonight to make sure I am doing section 11 correctly. Is my only option
> to rewind L1? When I remove L1, I plan on very carefully counting the
> turns. What should I do if I did not mess up and I got the 8/35 turns
> correct? Add another turn and make it 8/36?
>
> Ed Kwik AB8DF Waterford MI

Date: Fri, 12 Mar 1999 20:06:13 -0800
From: David Fifield <fifield@pacbell.net>
To: prvalko@oakland.edu
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [35420] Re: REPAIR JOB: NC-20, Part IV not long
Message-ID: <36E9E435.95F5124D@pacbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Paul,

It sounds to me like you have a short between pins 6 and 7 of the AFA (U10). With the rig powered OFF, measure the resistance between these two pins. What is it?

The AGC loop times are not optimal - I'll give you that! I ran out of design time to do this. However, some work has been done on the AGC since the rigs shipped, and a nice modification is in the process of being worked out. I think it will publish in QRPp sometime....although, with the interest level it seems to be generating, we may want to consider publishing it sooner!

72, Dave Fifield, AD6A

"Paul R. Valko" wrote:

>
> AGC is still really bad. Bad "popping" noise on TX. Very slow to
> recover >5 seconds.
>
> I still hear a beep beep beep... while the NC-20 TRANSMITS. It doesn't
> seem to be the AFA chip... I still get it in the headphones even if I pull
> the AFA output pin #7!
>
> I believe it is the so-called "39ms positive going pulse every .35ms" as
> described on page 19 of the manual.
>
> I don't know where that pulse is generated or HOW it is getting through to
> the headphones in TX.
>
> Answers greatly appreciated.
>
> 73! =paul= W8KC
> Collector of Ten★Tecs and other fine plastics
> <<http://www.acs.oakland.edu/~prvalko>>

Date: Sat, 13 Mar 1999 00:02:06 -0600
From: "Steve Yates, AA5TB" <aa5tb@swbell.net>
To: "QRP-L Distribute" <qrp-l@Lehigh.EDU>
Subject: [35421] Bands are Good Tonight!
Message-ID: <000d01be6d17\$06cb1340\$3a37a497@aa5tb>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

You might want to get on the air tonight. Lots of DX on 30m, mostly eastern Europe. Sounds more like 20m. Just worked ES1WN at 0540 UTC in Estonia with my 38 Special. I'm using 3.5 watts and a random wire about 50 feet long. Its good to hear the band picking back up after a dull week.

73,
Steve Yates
AA5TB
Fort Worth, TX
<http://home.swbell.net/aa5tb>
aa5tb@swbell.net

Date: Sat, 13 Mar 1999 01:05:34 EST
From: N7YA@aol.com
To: qrp-1@lehigh.edu
Subject: [35422] Riley gets another one!!
Message-ID: <32de0cd0.36ea002e@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

In a message dated 3/12/99 9:20:19 PM Pacific Standard Time,
Tmiller@nethawk.com writes:

<< FCC fines operators in repeater QRM case: The FCC has used mobile radio direction-finding techniques to solve a longstanding repeater interference problem. The Commission alleges that Michael Gallagher, KB3DHX, of Concord, Massachusetts, and Kornwell Chan, W3CI, of Dresher, Pennsylvania, were maliciously interfering with the Phil-Mont Mobile Radio Club 2-meter repeater, W3QV, and has levied fines on the two operators. >>

out of curiosity, i looked up W3CI in the Buckmasters DB...go check it out, hes a real team guy, hihi. the funny thing is he lists one of his interests as foxhunting...how embarrassing!! goes to show, it pays to behave.

73...Adam, N7YA

Date: Fri, 12 Mar 1999 22:39:40 -0700
From: Gary L Surrency <gsurrency@juno.com>
To: radman@best.com
Cc: qrp-1@Lehigh.EDU
Subject: [35423] Re: info wanted/R.S. freq.counter
Message-ID: <19990312.231527.-4058023.1.gsurrency@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Conrad writes:

>>>>>>

My opinion: It's a great buy for \$79. My only real gripe is it won't time-out (turn itself OFF) after some period

of non-use, resulting in another trip to RS to buy more "AA" batts to fuel it !! Hmmm... could the RS designers have conspired this "flaw" from the very beginning in order to sell more batts ? ;-)
<<<<<<<<

That's why I use Nicads in mine. 8^)

72,

Gary Surrency AB7MY QRP-L #571 Chandler, AZ (near Phoenix)

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or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 12 Mar 1999 22:41:45 -0700
From: Gary L Surrency <gsurrency@juno.com>
To: prvalko@oakland.edu
Cc: qrp-l@Lehigh.EDU
Subject: [35424] Re: REPAIR JOB: NC-20, Part IV not long
Message-ID: <19990312.231527.-4058023.2.gsurrency@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Paul Valko writes:

[illegible]

My problem is that the BEEP BEEP BEEP sound is NOT affected by the VR8 AFA Tone Level pot! How the heck is that pulse getting into the earphones?

By the way... the BEEPING goes away while the AFA is making an announcement. And of course, it is not heard while the rig is in receive mode.

[illegible]

Ah, it must be an "undocumented feature" !! ;-)

Mike, have you been hiding some code in those itty bitty PICs?

I think you said this problem exists without the TiCK chip installed. There's really nothing else in the rig that would generate a series of beeps like that except for the TiCK and AFA chips.

Look for a part installed backwards, or a bad component in the area or the AFA circuit.

Strange, very strange.

72, and Mike can handle it from here.

Gary Surrency AB7MY QRP-L #571 Chandler, AZ (near Phoenix)

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Date: Fri, 12 Mar 1999 23:15:12 -0700
From: Gary L Surrency <gsurrency@juno.com>
To: fifiield@pacbell.net
Cc: qrp-l@Lehigh.EDU
Subject: [35425] NC20 repair job; keying mods
Message-ID: <19990312.231527.-4058023.4.gsurrency@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

"Paul R. Valko" wrote:

>
> AGC is still really bad. Bad "popping" noise on TX. Very slow to
> recover >5 seconds.

This is **not** normal! Both my prototype and final kit have very quick return times from TX to RX, i.e., fast QSK. That problem may very well be a key to why the AFA or something is causing the "beep-beeping" you referred to. Have a close look at the diodes and transistors around the AFA, mute, and AGC circuits. There's gotta be something amiss in there! :-)

=====

I have shortened the timing on the keying circuit a bit to get faster rise and fall times on the CW envelope. These changes also make the

rising and falling edges of the keyed waveform more equal. This is a good mod for CW ops who like to run at faster speeds, say 30 wpm and up. The shorter keying times make for more readable CW at the higher speeds. No problems with clicks, either.

Change R84 from 4.7K to 3.3K

Change R85 from 1K to 510 ohms, or 560 ohms if you don't have a 510 ohm resistor.

Alternatively, you could just tack another 1K resistor across R85 on the bottom of the PCB. I noticed the falling edge was a bit longer than the rising edge, and this cures that along with the 3.3K at R84 speeding up the rising edge.

If the keying is still not perfect, change Q20 from a 2N3906 to a 2N4403 or an NTE159. These transistors are better switches, and work really nice to make the keying accurate and clean. Some 2N3906's are just not that good when used for keying switches. I've tried lots of them in various rigs, and I usually end up using a 2N4403 (good device) or NTE159 (best device, with high hfe and a 1 amp collector rating!). This was true in the SW-30+ and SW-40+, and the two TAC-1s and ARK30 I have. Much mo' better keying, and greater output in those rigs, although in the NC20 the output power is not affected by the better switching transistor, as there is very little current through it anyway.

If your RIT MPF102 JFET at Q1 is kinda leaky on TX, I found a J309A has very high off resistance, and the Rds ON is very low, too. A 3.3k resistor across VR2 along with R5 changed out to 820K gives me the RIT range I like. More RIT can be had with 4.7K to 5.6K across VR2, but leave the 820K at R5 the same. It's easy to experiment with the resistor across VR2, and the lower values help mask out any center detent errors from the RIT pot.

You can hear this error by listening to the VFO freq. on another receiver when the rig is keyed. It's not much, and the RIT is switched out before the VFO settles to freq. during transmit. But it is kinda cool to listen to, while you gradually move the RIT to the center detent and just off center. A few tens of Hz offset between RX and TX even with the RIT at center is not going to cause you any grief. And the TX offset BFO adjustment ignores this anyway.

Happy building and tweaking!

72,

Gary Surrency AB7MY QRP-L #571 Chandler, AZ (near Phoenix)

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or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 12 Mar 1999 22:17:50 -0700
From: Gary L Surrency <gsurrency@juno.com>
To: eakwikjr@hti.com
Cc: qrp-l@Lehigh.EDU
Subject: [35426] Re: NC20 VFO freq too high
Message-ID: <19990312.231527.-4058023.0.gsurrency@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Those of us who have built lots of kits, *always* add a turn or two to the recommend # of turns in the manual for the VFO inductor. That way, if the core permeability is off a little, or some other component in the LC tank, we can merely remove a turn or two and not have to rewind the whole d___n toroid. :-(

Like a carpenter measuring and cutting a board before he cuts it, it is always easier to trim a little bit more than try to add a little if it's too short.

Double check your # of turns to be sure you did wind it correctly. A lot of times the spacing of the windings will make up some variation in core material, but not always. In both NC20's I built, the toroid was fine with the specified # of turns in the manual. The prototype trimmer cap is half meshed, and in the new NC20 kit it is a little bit less than half meshed. The turns are evenly spaced, and they do affect the frequency quite a bit when they are adjusted.

72, es gl.

Gary Surrency AB7MY QRP-L #571 Chandler, AZ (near Phoenix)

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or call Juno at (800) 654-JUNO [654-5866]

Date: Sat, 13 Mar 1999 00:25:17 -0600 (CST)
From: aweiss@usd.edu (Ade Weiss W0RSP)

To: qrp-1@lehigh.edu
Subject: [35427] RE: FOX done??
Message-ID: <199903130625.AAA05613@sunburst.usd.edu>

Hi gang -- is it true -- no more FOX hunting?

40 is just getting good here.

I have half a mind to hang in there Tues and/or Thurs and do a SDFOX hunt.

Have to have some action!

72, Ade

Date: Sat, 13 Mar 1999 00:47:21 -0600 (CST)
From: aweiss@usd.edu (Ade Weiss W0RSP)
To: qrp-1@lehigh.edu
Subject: [35428] RE: 30m is WILD!!
Message-ID: <199903130647.AAA07476@sunburst.usd.edu>

Hi gang:

Boy has 30m turned wild this week! Tonight several pile-ups on/off. Opens around 2300Z to the Carrib. and then trans-equatorial to Africa slightly later. Boy, some really good stuff! Fr'instance FM5, PJ2, 9A2, PZ1,RV6 (559), LZ1, DL1, SM3, C56, T30 and more calling CQ DX. The pile-ups tonight are dense with 56-79 EU's and a nifty 579 ZL2.

What did I work??? Not much, but OK. I'm reminded of all the stuff I've written to help QRP'rs learn how to work DX. Patience -- if the band holds out, there has to be a last guy in line. Last nite I called C56SW a million times while putting the finishing touches on my KC2 unit. It didn't get finished because I couldn't call C56SW if I pulled the Sierra off the air. Lot of stretching from the building table to the NORCAL paddle on the operating table. So he had QRM, AS'd a couple of times, QSY'd up a ways, had a little chat with a G, by which time I suspect most big guys got tired of waiting. Quiet for a while, then he fires off a 1x1 CQ up1. So I was waiting at the front of the line and bango!!!! Remember, I'm in SD, the worst place in every direction. Then tonite T30R was on again -- I think most nites this week. He runs'em! What a pile-up! So I dug in and called endlessly. Still big pile-up. But conditions optimised and man I got him! I've been calling the FM5/F2PI all week to no avail. What's so difficult about getting down into the stupid Carrib? Went out for a hamburg, got back an he was still doing it. This time, first call and another country in the bag!

Then there was CE0AA on Monday. 15m this time. How many million times did I call him before??? Almost as many times as Bill Gates has \$\$\$\$\$. There were 3 pileup down the low end of 15m -- for the QRP'r, that raises the possibility that some DX is going begging on up the band. So, I hung out 21026 where CE0AA was doing the "2up". Half-hour working away at something. Sure enough, he showed up and I got him. Even neater, the next station he QRZ'd was a QRP'r! W8LB D? G? -- didn't get the call. I think they made it tho.

But back to 30m. Turning into a fine DX band. But it really takes a lot of patience.

Probably no where near as much for east coasters -- hey, I operated a week out of W. PA with my W8MMA SLV on 30m. I KNOW how easy it is to work and evening of EU stations from there! Increase the patience quota as you move west from the northeast inland. But hey, I just love sending with the NORCAL paddle that Chuck K5FO gave me as a gift!! So, I don't mind sending "W0RSP" 6-700 times in a row even if I don't get anyone. As I explained in JOY OF QRP, it is a question

of attitude and expectations. I never expect to work any of these DX stations on 30m. So, I have not failed a single time!!!! I have only had mind-blowing successes.

I'm a highly successful QRP DX'r because I have actually worked DX on 30m with 1-5w and a silly 70ft Zepp.

The old adage holds-- you can't work'em if you don't call'em. So, I say to myself --

never work Gambia or Mauritius or Tongo or Kiributi with 5w on 30m. So what, I'll call anyhow. Every now and then, whamo!

Talk about the JOY OF QRP!! It's free -- just takes patience and determination and a who cares if I don't work'em attitude.

Of course, the other JOY OF QRP is still available at \$23, packade deal with HISTORY \$33.

QRP DX FOREVER!!

72, Ade

Date: Fri, 12 Mar 1999 22:58:06 -0900

From: Jim Larsen AL7FS <al7fs@pobox.alaska.net>
To: "qrp-l@lehigh.edu" <qrp-l@lehigh.edu>
Subject: [35429] Impromptu QRP Program - AL7FS
Message-ID: <36EA1A8D.8F7BF304@pobox.alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Greetings from Alaska,

I had fun tonight. I had gone to the South Central Radio Club (SCRC) to mostly hand out flyers for my QRP talk at the larger Anchorage Amateur Radio Club (AARC) on April 2nd. I am a member of SCRC but I don't make too many of the meetings. I introduced myself and invited everyone to the April meeting and then settled in for the business meeting.

After the business, the acting President asked me if I would like to talk a few minutes on QRP. Apparently, they had no real program scheduled. I ended up giving a 25 minutes talk on the spur of the moment. I white-boarded my key points and answered lots of questions. It was most definitely fun. A steady diet of QRP-L help prepare you for many of the questions that come up. Thank you QRP-L.

73, Jim Larsen, AL7FS -- Anchorage, Alaska
QRP-L #114, QRP-Z #020, AK QRP #003, NW QRP #009 IA QRP #016
(BP51cc)@61.1009636 North 149.8237915 West(approximately)
mailto:al7fs@qsl.net <http://www.qsl.net/al7fs/>

Date: Sat, 13 Mar 1999 05:31:41 -0600
From: Jay Bromley <w5jay@alltel.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [35430] RED HOT
Message-ID: <36EA4C9D.49999455@alltel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Dave Fifield and Gang,

After Doug's plane ride from Hell and about the same for Chuck's Explorer ride up from Texas we had a nice dinner and then came by my shack to see what else Doug brought from California. He then whipped out his red anodized case NC-20. It is too cool to describe, you have to see this one in person. Chuck and Doug then modified the 40m rig

with the Red Hot case, now two very neat rigs.

The engraving is first class and with black countersunk screws these rigs have a very distinct look. I don't know if the red cases will be offered by themselves for the NC-20 but, it is a shame if their not! I think Doug Hauf will offer one in black which should be super. Boy just think Red and Black all over the shack.

If the weather doesn't have you down and out you can see all the Red Hots today at the Fort Smith Hamfest. Can you believe Doug left his NC-20 with the red case here last night. Oh well, I guess he doesn't have too much to worry about with his call engraved on the front panel. Dave, please say you'll offer the red cases alone??

Oh the Hamfest is indoors where the weather is just Red Hot fine.

73 de w5jay..

Date: Sat, 13 Mar 1999 08:01:48 -0500 (EST)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: QRP-L List <qrp-l@lehigh.edu>, gqrp@onelist.com, towertalk@contesting.com, antennas@qth.net, antennaware@contesting.com
Subject: [35431] Cloud Burner additions
Message-ID: <Pine.GS0.3.96.990313074402.16403A-100000@larry.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

In response to several notes, I have added a little more modeling data to the Notes on Cloud Burners (NVIS), including a scan of gain vs. soil type vs. 1 wl loop height and a check of possible advantages of going to fat wire or multi-wire loops. These notes, incidentally, are not intended to be any sort of definitive study of NVIS, but are only some casual modeling done to answer some questions posed by typical back-yard builders who enjoy this mode of short distance HF communications. I hope they are useful.

While I was not looking, the counter (installed 8-20-98) passed the 60K visit mark. So I am guessing that either something useful or something curious is at the site. Either way, I'll keep trying to finish some of the unfinished items and add some new ones as time permits. My thanks also to the folks who have taken a second to say thanks or who have posed some questions (many of which result in further notes).

-73-

LB, W4RNL

L. B. Cebik, W4RNL /\ /\ * / / / (Off) (423) 974-7215
1434 High Mesa Drive / \/ \/ ----/\---- (Hm) (423) 938-6335
Knoxville, Tennessee /\ \ \ \ / / || / (FAX) (423) 974-3509
37938-4443 USA / \ \ \ || cebik@utk.edu
 URL: http://web.utk.edu/~cebik/radio.html

Date: Sat, 13 Mar 1999 08:02:44 -0500
From: "Ed Pacyna" <pacyna@worldnet.att.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [35432] FS: Yaesu FT840
Message-ID: <001601be6d51\$c966f920\$8ec84e0c@ed>

Yaesu FT840 with 500 Hz filter in mint condition.

Includes hand mike, power cord, user manual, original box.

Priced at \$600 (or \$550 w/o CW filter).

Ed, W1AAZ

Date: Sat, 13 Mar 1999 08:08:29 -0600 (CST)
From: John Bohnert <johnb@elmhurst.edu>
To: David Fifield <fifield@pacbell.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [35433] Re: REPAIR JOB: NC-20, Part IV not long
Message-ID: <Pine.SV4.3.96.990313075333.14423A-100000@elmhcx9.elmhurst.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

As a satisfied builder and user of the NC20, I want to thank Paul, Mike, David and Gary carry out a public discussion of Paul's challenge. As a novice builder/troubleshooter this thread has stimulated me to refer to the schematic, follow the logic of the troubleshooting strategies, given me some instruction in the use of my o'scope (purchased used during my Elmer 101/SW40+ experience).

While I refer to a specific builder's challenge (Paul's), the resolution of other 'challenges' have been carefully read (e.g. my receiver is deaf, etc). I found similiar exchanges most helpful during my Elmer 101 experience.

Now back to 'tweaking' my NC20...of course, following tutorials provided by some great Elmer's via QRP-L.

72 N9KW John Elmhurst, IL QRP-L 1257 NORCAL

Date: Sat, 13 Mar 1999 09:18:41 -0500
From: K4AHK@ix.netcom.com
To: qrp-l mail <qrp-l@Lehigh.EDU>
Subject: [35434] Re: Charging Multiple Gel Cells
Message-ID: <36EA73B7.4A2A@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Thanks to all who replied to my request for info on charging multiple gel cells.

I need to charge ten 12V 7AH gel cells in parallel with a single 4 Amp 12V gel cell charger which I already have.

The problem is protecting 9 good batteries from 1 shorted battery. The consensus from several responses is to use shottky (low forward drop) diodes in series with each battery charge circuit to prevent the good batteries from discharging through the shorted cell - and possibly letting the smoke out. A fuse in each circuit would take out the offending battery and allow the rest of the batteries to charge normally. I would like to use the autoreset type of fuse so that when the bad battery is replaced with a good one, the charge circuit is automatically restored to that cell.

I'll let you know how it works.

Bill - K4AHK

Date: Sat, 13 Mar 1999 10:06:15 -0500 (EST)
From: "Paul R. Valko" <prvalko@oakland.edu>
To: David Fifield <fifield@pacbell.net>

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [35435] Re: REPAIR JOB: NC-20, Part IV not long
Message-ID: <Pine.OSF.3.95.990313100226.30669A-100000@saturn.acs.oakland.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 12 Mar 1999, David Fifield wrote:

> It sounds to me like you have a short between pins 6 and 7 of
> the AFA (U10). With the rig powered OFF, measure the resistance
> between these two pins. What is it?

Infinite... with or without the AFA chip installed in the socket I put it
in. Yes... I socketed everything but the audio amp.

> The AGC loop times are not optimal - I'll give you that! I ran
> out of design time to do this. However, some work has been done

I notice if I turn the AGC pot almost fully COUNTER clockwise, the AGC
recovery time is much quicker. I still have a hellacious pop on TX...
and the longer I TX, the longer the AGC takes to recover (up to a point).

I believe that the AGC test point is about 8VDC when the AGC is close to
full counterclockwise.

73! =paul= W8KC
Collector of Ten*Tecs and other fine plastics
<<http://www.acs.oakland.edu/~prvalko>>

Date: Sat, 13 Mar 1999 07:13:37 -0800 (PST)
From: Jim Hale <sunwatt@go.com>
To: QRP-L@Lehigh.EDU
Subject: [35436] New email address for KJ5TF
Message-ID: <0F8J00HKKG6X8@mta3.infoseekmail.com>
MIME-version: 1.0
Content-type: TEXT/PLAIN; CHARSET=US-ASCII

Numerous problems, so I unsubscribed to QRP-L and re-subscribed at this web based
email address. The more firewalls the better, even if it slows things down for me
- its safer.

BTW, every few years my antenna farm gets wiped out by ice. Again last night my
10/15M quad at 70' was destroyed. Either rebuild stronger, or look for a 10/15M
Yagi with no traps. Maybe a Yagi would do better in ice?

And so it goes - Jim KJ5TF AR QRP #2

--
<http://www.go.com>

Get your Free GO Network Email address at <http://mail.go.com>

Date: Sat, 13 Mar 1999 11:14:58 -0500
From: Pete Burbank <plburbank@kih.net>
To: <qrp-1@Lehigh.EDU>
Subject: [35437] RE: 30m is WILD!!
Message-ID: <3.0.32.19990313111455.006cbae0@kih.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Dear Ade and gang,
30 is one of my favorite bands, in fact I was on it the day it opened for ham use dodging the commercial stations. The really fun part was that you could enjoy a long QSO with a DX station including name, QTH, a truthful RST and maybe some personal data. The increasing number of "5NN 73" pile-ups makes me wonder if folks are unaware of the fact that the band is not eligible for awards. Has this ARRL policy been changed in recent years?

72/3 Pete NV4V
Somewhere south of Nonesuch, Ky

Date: Sat, 13 Mar 1999 17:00:50 +0000
From: Stephen John Farthing <stephen@stevef.demon.co.uk>
To: qrp-1@lehigh.edu
Subject: [35438] Power at Dayton for my project on QRP Club Stand
Message-ID: <0Tj0oDACnp62EwGT@stevef.demon.co.uk>
MIME-Version: 1.0

Guys,

I am working on the case for our project and need to know what power will be available at Dayton, at the Days Inn and on the QRP Club Stand. My options are :-

a) Build a mains PSU in the case capable of being connected to

both US and UK Mains. I have a transformer which has primary windings for both so could make it switchable. What sort of socket do you use in the US for Mains into the back of the case? Is it the same type of connector we get over here for PCs and Monitors? If so all I would need suitable lead and plug.

b) Put a Gel cell in the case which could be charged from one of the charmingly named "Wall Warts".

c) Use an external PSU.

Thanks in advance from over the water.

--

Stephen John Farthing MBCS G0XAR
Melksham, Wiltshire UK
RSGB G-QRP 7766

Date: Sat, 13 Mar 1999 12:09:19 -0500
From: Ken Newman <N2CQ@citnet.com>
To: QRP-L@lehigh.edu, njqrp@njqrp.org
Subject: [35439] Fireball Amps Shipped
Message-ID: <3.0.6.32.19990313120919.007af2e0@mail.citnet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Fireballers to be,
Your Amplifiers and TiCK keyers for the Jersey Fireball xmtr have been sent via USPS. You should receive them well before Atlanticon. Look for them!

Possibile Fireballers,
More information and order info on the Jersey Fireball transmitter with a 1.5 Watt Amplifier and TiCK keyer option, can be found at:

<http://www.njqrp.org/fireball40/index.html>

Check it out!

72/73 de
Ken Newman - N2CQ
Woodbury, NJ

N2CQ@ARRL.NET

~~~NJ QRP Club Home Page ~~~  
<http://www.NJQRP.org>

~~~Club Callsign~~~  
WQ2RP

Date: Sat, 13 Mar 1999 11:17:38 -0700
From: "Jerry Haigwood" <w5jh@swlink.net>
To: "QRP-L Post" <qrp-l@lehigh.EDU>
Subject: [35440] Heath Grid Dip Meter
Message-ID: <000101be6d7d\$c8335720\$c4a3fccc@w5jh>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Gang,

Back a few weeks maybe months ago some member was explaining how he had lost several bids for a Grid Dip meter on EBAY. I have a surplus HD 1250 heath grid dipper. If that person will contact me, we will work something out.

73, Jerry W5JH

Date: Fri, 12 Mar 1999 17:07:09 -0500
From: Thomas Isgro <kc8dgu@postoffice.worldnet.att.net>
To: brewsq@excite.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [35441] Re: CW: FCC test, other questions
Message-ID: <36E9900D.1E4@postoffice.worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

>>the FCC 13-WPM test does *not* use Farnsworth.>>

Totally false. The testing sessions my group runs uses ARRL test tapes

and they are Farnsworth spaced except for the 20WPM exam which is strictly 20 WPM.

The only characters on the test are the 26 letters of the English alphabet, the period, comma, slash and question mark, the ten numbers and the prosigns SK, AR and BT. Most people use * for SK, + for AR and = for BT. These are the accepted written symbols which will be used when grading your exam. Expect to see all of them on the exam.

AR is used to turn the CW transmission back to the other station during a QSO. Most stations I've worked lately have used KN as in

... bk to u Chris kc0evq de k8cz KN.

This means I want ONLY kc0evq to respond. AR and KN are interchangeable.

SK is used to end a contact, signing off for good as in

... must QRT now for lunch SK kc0evq de k8cz SK Roughly equivalent to the phrase (on phone) "clear on your final".

--

73 de
K8CZ
Tom Isgro
OHIO

<http://www.qsl.net/ki8cz>

| | | | | |
|---------------|------------|--------------|----------|------------|
| 10-X #68364 | SCI #1479 | QRP-L #945 | ARS #203 | ARCI #9606 |
| C.A.T.T #2115 | FIST #2360 | NORCAL #2113 | ARRL | |

Date: Sat, 13 Mar 1999 12:04:48 -0600
From: Dave Sjolín <sjolin@swbell.net>
To: plburbank@kih.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [35442] Re: 30m is WILD!!
Message-ID: <36EAA8C0.94EA3AC4@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Pete Burbank wrote:

>
> Dear Ade and gang,
> 30 is one of my favorite bands, in fact I was on it the day it
> opened for ham use dodging the commercial stations. The really
> fun part was that you could enjoy a long QSO with a DX station
> including name, QTH, a truthful RST and maybe some personal data.
> The increasing number of "5NN 73" pile-ups makes me wonder if
> folks are unaware of the fact that the band is not eligible
> for awards. Has this ARRL policy been changed in recent years?

Pete, I believe you are wrong. You can use dx worked on 30 meters for overall dxcc and CW DXCC. The ARRL just does not offer band endorsements (ie. 30 meter dxcc).

73 de Dave, N0IT

Date: Sat, 13 Mar 1999 10:29:13 -0800 (PST)
From: Jim Hale <sunwatt@go.com>
To: QRP-L@Lehigh.EDU
Subject: [35443] Need suggestions for 10/15M Yagi
Message-ID: <0F8J001TPPT5PL@mta3.infoseekmail.com>
MIME-version: 1.0
Content-type: TEXT/PLAIN; CHARSET=US-ASCII

My 2 ele quad is destroyed from last nights ice. We got 1/2 - 1/4" of ice.

Is there a Yagi with no traps that covers 10 & 15M bands? I'm looking at AES catalog today for ideas.
Stand by for sticker shock! hi

How do they hold up with ice loads like got my quad?

Thanks! de Jim

--

<http://www.go.com>

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Date: Sat, 13 Mar 1999 13:40:50 -0500
From: John R Kirby <n3aaz-qrp@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [35444] PSK31-15m-QRP...
Message-ID: <19990313.134221.-268199.0.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Its jumping...Sat-Mar-13-99-1700Z...

How about a four way...for almost an hour...WOW!

OK2 land, JN89ie, (Josef)...(4372 miles)
FL, EL88oa, (Keith)...(853 miles)
AZ, DM42rd, (Art)...(1986 miles)
MD, FM19xa (me) yep I was QRP 5W to the G5RV...
...and let me tell you the congratulations were most graciously accepted.

One FB weak signal mode...tnx again, Peter-G3PLX...

John
N3AAZ
FM19xa

.

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or call Juno at (800) 654-JUNO [654-5866]

Date: Sat, 13 Mar 1999 11:35:55 -0700
From: "KARL B. STADDON" <ve6kbs@agt.net>
To: sunwatt@go.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [35445] Re: Need suggestions for 10/15M Yagi
Message-ID: <36EAB00B.9C8FF017@agt.net>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Jim, check out Force 12 Antennas at <http://www.qth.com/force12/>

I've got the original DXer Plus 9 (was custom designed for me and subsequently added to their lineup.

Mine is rated to 100 mph. It has withstood 1/2"plus radius ice with no damage (did concern me that when the ice blocks broke off of the antenna that they would damage my cedar shake roof).

Cheers Karl

Jim Hale wrote:

> My 2 ele quad is destroyed from last nights
> ice. We got 1/2 - 1/4" of ice.
>
> Is there a Yagi with no traps that covers 10 & 15M bands? I'm looking at AES
catalog today for ideas.
> Stand by for sticker shock! hi
>
> How do they hold up with ice loads like got my quad?
>
> Thanks! de Jim
>
> __
> <http://www.go.com>
>
> _____
> Get your Free GO Network Email address at <http://mail.go.com>

Date: Sat, 13 Mar 1999 12:57:54 -0700
From: tom whalen <wb5qyt@eFortress.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [35446] SST info, NC20 progress
Message-ID: <36EAC342.6D2F@eFortress.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

QRP Gang!

I remember some talk about a RIT for the SST. Where can I find this info?

Im into section 13- Receiver, on the NC20, and so far all is going fb with the construction. Going to be a fun rig to use! Love the AFA unit, and on power up after that section it beeped....996! A little tweaking and brought it up to .999.

Saving my bux the the new "Red Hot Radio" for 40m!!

Everyone have a nice weekend and 72, Tom WB5QYT

Date: Sat, 13 Mar 1999 12:31:53 -0800
From: Stan Goldstein <stan@cruzio.com>
To: sunwatt@go.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [35447] Re: Need suggestions for 10/15M Yagi
Message-ID: <36EACB39.25B4747F@cruzio.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

The stuff from "force 12 " claims to meet your needs.

After the sticker shock from the major ant mftrs' sinks in, be prepared to suffer another round .

Stan N6XU

Jim Hale wrote:

>
> My 2 ele quad is destroyed from last nights
> ice. We got 1/2 - 1/4" of ice.
>
> Is there a Yagi with no traps that covers 10 & 15M bands? I'm looking at AES
catalog today for ideas.
> Stand by for sticker shock! hi
>
> How do they hold up with ice loads like got my quad?
>
> Thanks! de Jim
>
> --

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>
> -----
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Date: Sat, 13 Mar 1999 12:57:19 -0800 (PST)
From: Jim Hale <sunwatt@go.com>
To: QRP-L@Lehigh.EDU
Subject: [35448] Re: Milliwatts Across the Pond
Message-ID: <0F8J006Q8W00L2@mta3.infoseekmail.com>
MIME-version: 1.0
Content-type: TEXT/PLAIN; CHARSET=US-ASCII

Great ears David! Milliwatting is a real challenge, and you should give it a try sometime. The best time is one of the major contests. You know how some of the big gun's end up begging late on Sunday afternoon! hi
Thats when you JUMP at them with LOW DOWN MILLIWATTS!

Use a QRP wattmeter, or RF probe to set your poser at 50mW, and start there. You might be able to go lower. But 50mW will bag WP4's and WP2's and all over the Carribean area.

Also some of the well known county hunters like G4KHG have great ears and must have nice antennas too. My personal record for UK is 5mW with Ed. He's a great operator.

Just look for those who arnt getting any responce, and call them with really low power. If they dont hear you have your RF probe handy, reset for a little more mW and call again, and again. You'll be hooked just like me! hi hi

QRP=72 & 71=QRPP HI! de Jim KJ5TF

>Made a great contact today while mobile >with my SST running 2 watts
>into a hamstick!

>Javier, ea1chc, in Northern Spain running >300 milliwatts. He was 33N
>with qsb and he gave me a big 559. I >didn't get the antenna as copy
>was a little tuff. Thank goodness for all >that ear straining practice
>with the foxhunts, otherwise I would of >missed this one!

>With all the recent milliwatt activity I'm >starting to feel a little
>self conscious at 2 watts!

>72

>David,n2zhy
>Princeton,NJ

--
<http://www.go.com>

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Date: Sat, 13 Mar 1999 13:57:06 -0700
From: wo7t@juno.com
To: qrp-1@lehigh.edu
Cc: gary.hembree@asu.edu, fifield@pacbell.net, ki6ds@dpol.k12.ca.us
Subject: [35449] \$0.84 Investment nets working NC-20
Message-ID: <19990313.135720.8422.3.wo7t@juno.com>

Some back time, I dropped a note to the list complaining of a soft (volume) pulsing tone buried within my sidetone of the NC-20. Additionally, I had harsh klunk in speaker upon key up. Initial parties assisting me pointed me towards the keyer chip, but that was not the source of my problem. I was also having some serious hang time on the AGC after key up. Had to shoot standing voltage via VR5 up to 8V before I had half-way decent recovery.

Taking the advice of Gary N7IR's posting, I invested in two 2N5457s (from Tech America- \$0.42) to improve upon the hit and miss characteristics of the MPF102s. Popped both in the board (Q1 & Q9) this morning, and fired things up.

- No annoying pulsing tone mixed in with sidetone.
- No harsh Key Click sound back out speaker/sidetone
- AGC working good with Voltage dropped back to 5.5V

My thanks to Dave Fifield for his trouble-shooting assistance, and Doug KI6DS for shooting me a replacement Tick Chip (Doug, its on its way back to you), and most of all for Gary Hembree's (N7IR) timely posting on the FET switches earlier in the week which ultimately solved my problems.

Now I'm off to paint and label the case, and then put it on the air, and make

sure it sounds good to all the rest of you.

Hope this proves of assistance to anyone else experiencing similar problems.

73,

Mark Gustoff - W07T
Chandler, AZ

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or call Juno at (800) 654-JUNO [654-5866]

Date: Sat, 13 Mar 1999 16:05:35 EST
From: KU4YP@aol.com
To: qrp-1@lehigh.edu
Subject: [35450] Ramsey vhf kits.
Message-ID: <e85093fd.36ead31f@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

hello,

has anyone built one of the fxs (?) vhf radio kits? i am looking for some mods that i know have been published in some of the mags, however i can't find them on the net. any help appreciated.

73

ku4yp
mike prevatt

Date: Sat, 13 Mar 1999 16:13:45 -0500
From: GRW <n8ayy@amsat.org>
To: qrp-1@Lehigh.EDU
Subject: [35451] F/S 6 meter All Mode
Message-ID: <36EAD508.B84DDF20@amsat.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

I have For Sale a "like new" Yaeus FT-690RII all mode 6 meter radio. Time on this one year old radio is ten hours and has never been portable or mobil.

Comes standard with FM, SSB and CW at the 2.5 watts level. Also comes standard with the clip-on amp taking power up to 10 watts output, whip antenna and mic.

Additional option included is the battery pack FBA-8 making the unit totally portable at the 2.5 watt level. Original books, box, and packing as from the factory. Non-smoker.

Shown in my last R&L catalog at \$698.00
This "as new unit" is for sale at \$435.00 plus shipping and insurance.

Please email direct and not to the list.

Gary/N8AYY

Date: Sat, 13 Mar 1999 12:33:55 -0600
From: k5zty@juno.com
To: qrp-l@lehigh.edu
Subject: [35452] For Sale: QRP Kit
Message-ID: <19990313.151615.7342.11.k5zty@juno.com>

I am posting this for a friend that isn't on this list.
He has for sale an unbuilt Tejas Backpacker II 40 meter transceiver kit and the built in keyer kit shipped via Fed Ex to anywhere in the lower 48 for \$100.00.
If interested, reply to me and I will pass the email to him and he will contact you direct.

Bill, K5ZTY
Houston, TX
k5zty@juno.com

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End of QRP-L Digest 1394

